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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/018,659	12/21/2001	Christer Aslund	2640-102	1985	
6449	7590 02/10/2003				
ROTHWELL, FIGG, ERNST & MANBECK, P.C.			EXAMINER		
1425 K STRE SUITE 800	ET, N.W.	JENKINS, DANIEL J			
WASHINGTO	ON, DC 20005	ART UNIT	PAPER NUMBER		
			1742	5	
			DATE MAILED: 02/10/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

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•		Applic	cation No.		Applicant(s)	
	•	10/01	8,659		ASLUND, CHRIS	STER
Office Action Summary		Exam	iner		Art Unit	
		Daniel	l J. Jenkins		1742	
Period fo	The MAILING DATE of this commu or Reply	nication appears on	the cover	sheet with the c	orrespondence a	ddress
THE - Exte after - If the - If NC - Failt - Any	ORTENED STATUTORY PERIOD F MAILING DATE OF THIS COMMUN nsions of time may be available under the provision SIX (6) MONTHS from the mailing date of this com period for reply specified above is less than thirty (period for reply is specified above, the maximum so tre to reply within the set or extended period for repl reply received by the Office later than three months and patent term adjustment. See 37 CFR 1.704(b).	IICATION. s of 37 CFR 1.136(a). In n munication. 30) days, a reply within the statutory period will apply a y will, by statute, cause the	o event, howe statutory min nd will expire to application to	over, may a reply be tim imum of thirty (30) days SIX (6) MONTHS from to become ABANDONE!	nely filed s will be considered time the mailing date of this D (35 U.S.C. § 133).	ely. communication.
1)⊠	Responsive to communication(s) f	iled on <u>21 March 2</u>	<u>:002</u> .			
2a) <u></u> ☐	This action is FINAL.	2b)⊠ This action	n is non-fi	nal.		
3)☐ Disposit	Since this application is in condition closed in accordance with the praction of Claims					he merits is
4) 🖂	Claim(s) 1-6 is/are pending in the	application.				
,	4a) Of the above claim(s) is/s	are withdrawn from	consider	ation.		
5)	Claim(s) is/are allowed.					
	Claim(s) <u>1-6</u> is/are rejected.					
7)	Claim(s) is/are objected to.					
8)	Claim(s) are subject to restri	ction and/or election	on require	ment.		
Applicat	ion Papers					
9)[The specification is objected to by the	ne Examiner.				
10)	The drawing(s) filed on is/are	: a)☐ accepted or b) object	ed to by the Exar	niner.	
	Applicant may not request that any ob					
11)	The proposed drawing correction file	ed on is: a)[] approve	ed b)⊡ disappro	ved by the Exami	ner.
	If approved, corrected drawings are re			tion.		
12)	The oath or declaration is objected t	o by the Examiner.				
Priority (under 35 U.S.C. §§ 119 and 120					
13)	Acknowledgment is made of a clair	n for foreign priority	y under 35	5 U.S.C. § 119(a)-(d) or (f).	
a)	☐ All b)☐ Some * c)☐ None of:					
	1. Certified copies of the priority	documents have	been rece	ived.		
	2. Certified copies of the priority	documents have	been rece	ived in Applicati	on No	
* (Copies of the certified copies application from the Inter See the attached detailed Office action 	national Bureau (P	CT Rule 1	I7.2(a)).		ıl Stage
14) 🗌 🗸	Acknowledgment is made of a claim	for domestic priorit	y under 3	5 U.S.C. § 119(e	e) (to a provision	al application).
	i) The translation of the foreign la Acknowledgment is made of a claim					
Attachmen	t(s)					
2) Notice	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (mation Disclosure Statement(s) (PTO-1449)		4)	-	r (PTO-413) Paper N Patent Application (P	
I.S. Patent and T	rademark Office	,				

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1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1 and 3-6 are rejected under 35 U.S.C. 102(b) as being anticipated by Kankawa et al.

Kankawa et al. disclose a method for forming a sintered part comprising :

providing a powder mixture comprising a metal powder and a binder (col. 9, lines 27-30);

forming a green body (39-40);

removing the binder from the green body under a controlled atmosphere (col. 10, lines 38-40); and

sintering the debound green body to form a sintered part (col. 10, lines 45-51). Kankawa et al. further disclose wherein the metal powder is selected from a group comprising steel powder (col. 9, line 48).

Kankawa et al. further disclose wherein the binder includes gelatin (col. 8, line 41).

Kankawa et al. further disclose debinding and sintering temperatures within Applicant's range (col. 10, line 44 and col. 10, line 51).

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:



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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

4. Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kankawa et al.

Kankawa et al. disclose the invention substantially as claimed (see paragraph 2 above).

However, Kankawa et al. do not disclose adding graphite to the powder mixture.

Kankawa et al. do disclose that his powder mixture can contain alloys.

It is common knowledge in the prior art add graphite to steel powders to be sintered in the same field of invention for the purpose of increasing the alloy hardness of the formed part.

It would have been obvious to one having ordinary skill in the art at the time of the invention to add graphite to the invention of Kankawa et al. in order to increase the hardness of the formed sintered part.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel J. Jenkins whose telephone number is 703-306-4157. The examiner can normally be reached on M-TH6:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Roy King can be reached on 703-308-1146. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9593 for regular communications and 703-305-7719 for After Final communications.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0661.

Daniel J. Jenkins Primary Examiner Art Unit 1742

dj January 26, 2003